·	Application No.	Applicant(s)
Notice of Allowability	10/601,076	WESTERMAN ET AL.
	Examiner	Art Unit
	Shamim Ahmed	1765
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in or other appropriate communication. This application is	n this application. If not included unication will be mailed in due course. THIS
1. This communication is responsive to 6/28/04.		
2. The allowed claim(s) is/are 21 and 24-38.		
3.   The drawings filed on 19 June 2003 are accepted by the E	xaminer.	
<ul> <li>4. ☐ Acknowledgment is made of a claim for foreign priority ur a) ☐ All b) ☐ Some* c) ☐ None of the:  1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.</li> <li>5. ☐ A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") mus (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date  (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in to the composition of the deponant of th</li></ul>	e been received. e been received in Application cuments have been received of this communication to file MENT of this application.  eitted. Note the attached EX reason(s) why the oath of the submitted. Est be s	on No  Indicate the distribution of the drawings in the front (not the back) of FR 1.121(d).  Expected in this national stage application from the application from the requirements  AMINER'S AMENDMENT or NOTICE OF redeclaration is deficient.
Attachment(s)  1. Notice of References Cited (PTO-892)  2. Notice of Draftperson's Patent Drawing Review (PTO-948)  3. Information Disclosure Statements (PTO-1449 or PTO/SB/O Paper No./Mail Date  4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ⊠ Interview S Paper No. 08), 7. ⊠ Examiner's	Informal Patent Application (PTO-152) Summary (PTO-413), /Mail Date 9/22/04. Amendment/Comment  Statement of Reasons for Allowance  SHAMIM AHMED Patent Examinat

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## **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Harvey S. Kauget on 9/22/04.

The application has been amended as follows:

IN THE CLAIMS:

In claim 21, line 6, after "cyclic process", insert "having an etching step and a deposition step".

In claim 21, line 10, in between ";" and "and", insert, "thereby reducing notching on the substrate;"

Cancel claims 22-23.

In claim 31, line 1, replace "claim 22" with "claim 21".

2. The following is an examiner's statement of reasons for allowance: The prior art does not teach or suggest a process including the step of pulsing the high density plasma source during a cyclic process including etching and deposition steps for reducing notching on the etched substrate.

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3. The closest prior art Hopkins et al (6,187,685) disclose a cyclic process including alternating etching and deposition step, wherein the bias voltage is pulsed instead of the high power source for eliminating notching (col.3, lines 24-48).

Additionally, Hopkins et al disclose that pulsing the source power will increase and potentially cause unacceptable charge damage and possibly even increased notching (col.2, lines 16-22).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shamim Ahmed whose telephone number is (571) 272-1457. The examiner can normally be reached on M-Thu (7:00-5:30) Every Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nadine G Norton can be reached on (571) 272-1465. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Shamim Ahmed Examiner Art Unit 1765

SA September 22, 2004